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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/092,325	03/06/2002	Herbert A. Little	555255012307	9040

7590 03/22/2005

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EXAMINER

SHAH, KAMINI S

ART UNIT	PAPER NUMBER
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2142

DATE MAILED: 03/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/092,325

Applicant(s)

LITTLE ET AL.

Examiner

Kamini S. Shah

Art Unit

2142

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 December 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,5 and 16-22 is/are rejected.
- 7) ☒ Claim(s) 4 and 6-15 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 March 2002 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>12/31/03</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3, 5, 6, 16, 17, and 18-22 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by WO 00/56007, PCT cited by applicant. Abstract only.

3. Regarding to claimed invention, WO 00/56007 teaches a method for indicating signature status and trust status *as verifying a message signature*, the method comprising: selecting for processing a secure message stored on the messaging client, such as *storing message after it has been sent by a signatory having a public key*; checking the digital signature; checking trust status of the sender such as *verifying certificate in the security means*; displaying a first indicator of a result of digital signature such as *displaying means indicating whether signature matches the message, and whether the signatory presented*.

Regarding claimed features such as the secure message includes a message body and further comprising step of processing the message body, see abstract for including storage means of addresses transmitting to a display means directly connected to the security means.

Regarding claimed messaging client is operating on a wireless mobile communication device and on a personal computer, see figure as disclosed.

Regarding claims 18-22, claims recites similar subject matter as claims 1-3,5, 16, and 17, therefore claims are rejected for the similar reasoning.

Allowable Subject Matter

4. Claims 4, 6-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.


The cited prior art does not teach various subject matter of dependent claims, such as, step of processing is performed only if the signature is valid, first indicator comprise an icon, second indicator comprise text, and various other untrusted indication of certificate. Furthermore, signature includes digest and digest signature is also not disclosed in the cited prior art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kamini S. Shah whose telephone number is 571-272-2279. The examiner can normally be reached on IFP.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack B. Harvey can be reached on 571-272-3896. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2142

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Kamini S Shah
Primary Examiner
Art Unit 2142

kss

PCT

ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
Bureau international



DEMANDE INTERNATIONALE PUBLIÉE EN VERTU DU TRAITE DE COOPÉRATION EN MATIÈRE DE BREVETS (PCT)

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(81) Etats désignés: CN, JP, US, brevet européen (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Publiée
Avec rapport de recherche internationale.

(54) Title: METHOD FOR VERIFYING A MESSAGE SIGNATURE

(54) Titre: PROCÉDE DE VERIFICATION DE SIGNATURE D'UN MESSAGE

(57) Abstract

The invention concerns a method for verifying a message signature, the message, the signature, and a certificate having been sent by a signatory having a public key to an addressee having means (11) for storing messages. The invention is characterised in that it comprises the following steps which consist in: verifying the certificate, in the security means (21) connected to said storage means (11) of the addressee, and transmitting to display means (30) directly connected to the security means (21) at least a result information of verification; verifying the result information on the display means (30); after the certificate has been verified, calculating in the security means (21) a reduction of the message, and copying anew the message on the display means (30) as the reduction operation progresses; decrypting in said security means (21) the signature and the public key of the signatory; comparing the decrypted signature with the reduction performed; depending on the result of the comparison, sending a message, from the security means (21) to the display means (30), indicating whether or not the signature matches the message or the public key and signatory presented. The invention is useful for making secure exchanges on communication networks.

